Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/09/2020 11:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125558	0	1.88	125629	1.85
Blue	F	SSC	125000	125501	0	1.61	126387	1.63
Blue	E	FITC	16433	15970	-3	2.73	348	19.56
Blue	D	PE	27595	27395	-1	1.93	599	14.31
Blue	B	PerCP-Cy5-5	43183	42506	-2	3.62	1144	20.36
Blue	A	PE-Cy7	31943	32087	0	5.90	618	40.53
Red	C	APC	42819	42118	-2	2.46	1490	12.12
Red	A	APC-Cy7	31261	30580	-3	2.34	813	11.76
Violet	B	V450	6527	6248	-5	4.63	349	13.80
Violet	A	V500	24533	23757	-4	4.48	552	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17957	9.89	616	16	N/A	N/A	Pass
Blue	F	SSC	57154	1.17	556	8	N/A	N/A	Pass
Blue	E	FITC	63	62.06	541	2	0.0210	106	Pass
Blue	D	PE	126	48.84	539	5	0.1801	301	Pass
Blue	B	PerCP-Cy5-5	213	52.51	652	10	0.0093	158	Pass
Blue	A	PE-Cy7	114	105.90	700	11	0.0113	33	Pass
Red	C	APC	357	24.79	580	-3	0.0241	106	Pass
Red	A	APC-Cy7	180	28.47	560	-3	0.0058	1106	Pass
Violet	B	V450	52	62.27	445	-10	0.0437	1788	Pass
Violet	A	V500	83	33.36	457	-10	0.0228	743	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/09/2020 11:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.36	-31.97	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.59	13.60 - 20.40	N/A	N/A	29.63	29.97	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10455

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments